

Current Situation

The statewide Montana Oil and Gas Field Map application has been in operation for 10 years. It was reprogrammed in 1991 from MOSS to ESRI Arc/INFO. This year it is being updated to ESRI's latest software version, ArcGIS. The current contract entailed; making a field office user interface to produce an automated oil and gas field map, converting 4GL programming used to maintain the oil and gas INFORMIX database to VB, updating the oil and gas well spatial generation program and replacing in-house programming and scripts with vendor supplied capabilities (attachment 1 - statement of work). TRW's bid on the contract was \$50,000. Attachment 2 includes the weekly status reports. Mid-way through the contract (total life of the contract was 3 months) TRW announced that all work would not be able to be completed and that priorities would have to be set and additional funding would have to be secured if the project was to be completed (Attachment 3 TRW's estimate for remaining work to be completed cost estimate). After conferring with all field office representatives it was decided with TRW to finish the user interface for the automated oil and gas field map and the conversion of the 4GL programming for only those fields needed to maintain the automated oil and gas field map. TRW provided an estimate of \$ 35,000 to complete the remaining work. Attachment 4 are examples of the field office user interface accomplished through our contract.

Background

The oil and gas database maintains approximately 200 fields of data about every well within Montana. This database is currently maintained in three field offices. What is unique about this database is that it contains both fee and non-fee wells and that a spatial output has been tied to this database. The products created through this application are used by our oil and gas staff for office and field work as well as sold to the general public. This oil and gas base information is also used within other spatial analysis supporting the resource programs throughout the state.

Request

Montana/Dakotas are requesting funding support to have TRW complete the programming for this application. The work can be completed for \$35,000.

Justification

Programming for this application requires the programmer be familiar with very complex data relationships and application requirements. TRW hired a programmer specifically for this application and it took original contract dollars to get the programmer at the knowledge base required to complete the contract. Should there be a lapse in the contract TRW will release him from employment. This would cause a loss of programming accomplishments while yet another programmer is reinitialized. If the contract does not obtain additional funding we have not accomplished our goal to reengineer the application to the latest off-the shelf software and will force us to rely on in-house programming support.